

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	397078	acrylate or methacrylate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 09:58
L2	443523	cyclic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 09:58
L3	266077	hydrophilic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:16
L4	68730	L1 and L2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 09:59
L5	23116	L4 and L3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 09:59
L6	198141	cosmetic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 09:59
L7	140	reshapeable	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 09:59

## EAST Search History

L8	5	L5 and L7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:01
L9	4832	L5 and L6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:01
L10	8788	"hair care"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:02
L11	635	L9 and L10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:04
L12	2470060	copolymer or polymer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:05
L13	22795	L5 and L12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:06
L14	4788	L6 and L13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:06

## EAST Search History

L15	635	L10 and L14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:07
L16	1002233	emulsion or dispersion	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:07
L17	597	L15 and L16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:10
L18	627135	adamantyl or isobornyl or tolyl or phenyl or butylphenyl or naphthyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:12
L19	15376	L5 and L18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:12
L20	391384	benzyl or cyclohexyl or menthyl or dicyclopentenyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:13
L21	756090	L18 or L20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:14

## EAST Search History

L22	391384	L20 and L21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:14
L23	184480	L12 and L22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:15
L24	775062	L5 adn l21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:15
L25	16985	L5 and L21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:16
L26	3694	L6 and L25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:16
L27	1015565	L16 adn l26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:16
L28	3397	L16 and L26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:17

## EAST Search History

L29	566	L28 and L10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 10:17
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NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS	4	OCT 30	CHEMLIST enhanced with new search and display field
NEWS	5	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS	6	NOV 10	CA/CAPLUS F-Term thesaurus enhanced
NEWS	7	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	8	NOV 20	CA/CAPLUS to MARPAT accession number crossover limit increased to 50,000
NEWS	9	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS	10	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS	11	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS	12	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
NEWS	13	DEC 18	CA/CAPLUS pre-1967 chemical substance index entries enhanced with preparation role
NEWS	14	DEC 18	CA/CAPLUS patent kind codes updated
NEWS	15	DEC 18	MARPAT to CA/CAPLUS accession number crossover limit increased to 50,000
NEWS	16	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	17	DEC 27	CA/CAPLUS enhanced with more pre-1907 records
NEWS	18	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	19	JAN 16	CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS	20	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	21	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	22	JAN 22	CA/CAPLUS updated with revised CAS roles
NEWS	23	JAN 22	CA/CAPLUS enhanced with patent applications from India
NEWS	24	JAN 29	PHAR reloaded with new search and display fields
NEWS	25	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	26	FEB 13	CASREACT coverage to be extended
NEWS	27	Feb 15	PATDPASPC enhanced with Drug Approval numbers
NEWS	28	Feb 15	RUSSIAPAT enhanced with pre-1994 records

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

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=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.84	0.84

FILE 'CAPLUS' ENTERED AT 10:27:03 ON 20 FEB 2007

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FILE COVERS 1907 - 20 Feb 2007 VOL 146 ISS 9

FILE LAST UPDATED: 19 Feb 2007 (20070219/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s acrylic acid

272978 ACRYLIC  
1367 ACRYLICS  
273365 ACRYLIC  
(ACRYLIC OR ACRYLICS)

4316349 ACID  
1569470 ACIDS  
4817867 ACID  
(ACID OR ACIDS)

L1 118243 ACRYLIC ACID  
(ACRYLIC(W)ACID)

=> s methacrylic acid

77488 METHACRYLIC  
7 METHACRYLICS  
77493 METHACRYLIC  
(METHACRYLIC OR METHACRYLICS)

4316349 ACID  
1569470 ACIDS  
4817867 ACID  
(ACID OR ACIDS)

L2 71818 METHACRYLIC ACID  
(METHACRYLIC(W)ACID)

=> s vinyl pyrrolidone

413546 VINYL  
 583 VINYLS  
 413713 VINYL  
 (VINYL OR VINYLS)  
 22907 PYRROLIDONE  
 746 PYRROLIDONES  
 23143 PYRROLIDONE  
 (PYRROLIDONE OR PYRROLIDONES)  
 L3 3175 VINYL PYRROLIDONE  
 (VINYL(W) PYRROLIDONE)

=> s L1 or L2 or L3  
 L4 169390 L1 OR L2 OR L3

=> s methacrylate or acrylate  
 216984 METHACRYLATE  
 11914 METHACRYLATES  
 219345 METHACRYLATE  
 (METHACRYLATE OR METHACRYLATES)  
 186783 ACRYLATE  
 36479 ACRYLATES  
 196868 ACRYLATE  
 (ACRYLATE OR ACRYLATES)  
 L5 336538 METHACRYLATE OR ACRYLATE

=> s L4 and L5  
 L6 95497 L4 AND L5

=> s polymer or copolymer  
 1110654 POLYMER  
 900460 POLYMERS  
 1495973 POLYMER  
 (POLYMER OR POLYMERS)  
 615539 COPOLYMER  
 193910 COPOLYMERS  
 666115 COPOLYMER  
 (COPOLYMER OR COPOLYMERS)  
 L7 1741776 POLYMER OR COPOLYMER

=> s L6 and L7  
 L8 84961 L6 AND L7

=> s dispersion or emulsion  
 339593 DISPERSION  
 59721 DISPERSIONS  
 365994 DISPERSION  
 (DISPERSION OR DISPERSIONS)  
 202345 EMULSION  
 123875 EMULSIONS  
 245284 EMULSION  
 (EMULSION OR EMULSIONS)  
 L9 590147 DISPERSION OR EMULSION

=> s L8 and L9  
 L10 21454 L8 AND L9

=> s cosmetic?  
 L11 81829 COSMETIC?

=> s L10 and L11  
 L12 607 L10 AND L11

=> s reshapeable  
 L13 5 RESHAPEABLE



```
=> s L12 and hair
      62370 HAIR
      5179 HAIRS
      64706 HAIR
      (HAIR OR HAIRS)
L14      137 L12 AND HAIR

=> dup rem L14
PROCESSING COMPLETED FOR L14
L15      137 DUP REM L14 (0 DUPLICATES REMOVED)
```

```
=> s cyclic alcohol
      315417 CYCLIC
      349 CYCLICS
      315553 CYCLIC
      (CYCLIC OR CYCLICS)
      259457 ALCOHOL
      170415 ALCOHOLS
      397746 ALCOHOL
      (ALCOHOL OR ALCOHOLS)
      585421 ALC
      193023 ALCS
      683626 ALC
      (ALC OR ALCS)
      838347 ALCOHOL
      (ALCOHOL OR ALC)
L16      882 CYCLIC ALCOHOL
      (CYCLIC(W)ALCOHOL)
```

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=> s L15 and L16
L17      137 S L15
L18      2 L17 AND L16
```

```
=> d 1-2 L18 ibib abs
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```
L18 ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:      2002:466534  CAPLUS
DOCUMENT NUMBER:      137:24159
TITLE:      Acrylic-based copolymer compositions for
cosmetic and personal care
INVENTOR(S):      Kantner, Steven S.; Everaerts, Albert I.; Nguyen, Lang
N.
PATENT ASSIGNEE(S):      3M Innovative Properties Company, USA
SOURCE:      U.S. Pat. Appl. Publ., 10 pp., Cont.-in-part of U.S.
Ser. No. 696,468, abandoned.
CODEN: USXXCO
DOCUMENT TYPE:      Patent
LANGUAGE:      English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:
```

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002076390	A1	20020620	US 2001-887751	20010622
CA 2426683	A1	20020502	CA 2001-2426683	20010925
WO 2002034218	A2	20020502	WO 2001-US29883	20010925
WO 2002034218	A3	20030710		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,				
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,				
UZ, VN, YU, ZA, ZW				

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2001093038 A5 20020506 AU 2001-93038 20010925  
BR 2001014845 A 20031007 BR 2001-14845 20010925  
EP 1370219 A2 20031217 EP 2001-973463 20010925  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
JP 2004512292 T 20040422 JP 2002-537272 20010925  
CN 1535133 A 20041006 CN 2001-817930 20010925

PRIORITY APPLN. INFO.:

US 2000-696468 B2 20001025  
US 2001-887751 A 20010622  
WO 2001-US29883 W 20010925

AB A composition for nails, skin and hair in the form of an aqueous emulsion or dispersion is provided. The composition comprises: (a) at least one copolymer comprising (1) 10-85 % of (meth)acrylate ester of C4 to C18 straight and/or branched chain alkyl alc., (2) 10-70 % of (meth)acrylate ester of a saturated or unsatd. cyclic alc. containing 6 to 20 carbon atoms; and (b) an aqueous carrier, solvent, or vehicle component. When used in hair applications, the inventive composition is not a reshapable composition. For example, 2-ethylhexyl acrylate-isobornyl acrylate-methacrylic acid copolymer, acrylic acid-2-ethylhexyl acrylate-isobornyl acrylate copolymer, and acrylic acid-cyclohexyl methacrylate-2-ethylhexyl acrylate copolymer were prepared and cosmetics were formulated containing the same.

L18 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:331994 CAPLUS

DOCUMENT NUMBER: 136:345490

TITLE: Acrylic-based copolymer compositions for cosmetic and personal care

INVENTOR(S): Kantner, Steven S.; Everaerts, Albert I.; Nguyen, Lang N.

PATENT ASSIGNEE(S): 3M Innovative Properties Company, USA

SOURCE: PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002034218	A2	20020502	WO 2001-US29883	20010925
WO 2002034218	A3	20030710		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2002076390	A1	20020620	US 2001-887751	20010622
CA 2426683	A1	20020502	CA 2001-2426683	20010925
AU 2001093038	A5	20020506	AU 2001-93038	20010925
BR 2001014845	A	20031007	BR 2001-14845	20010925
EP 1370219	A2	20031217	EP 2001-973463	20010925
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,			

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
 JP 2004512292 T 20040422 JP 2002-537272 20010925  
 PRIORITY APPLN. INFO.: US 2000-696468 A 20001025  
 US 2001-887751 A 20010622  
 WO 2001-US29883 W 20010925

AB A composition for nails, skin and hair in the form of an aqueous emulsion or dispersion is provided. The composition comprises: (a) at least one copolymer comprising (i) about 10 to 85 weight percent of (meth)acrylate ester of C4 to C18 straight and/or branched chain alkyl alc., (ii) about 10 to 70 weight percent of (meth)acrylate ester of a saturated or unsatd. cyclic alc. containing 6 to 20 carbon atoms; and (b) an aqueous carrier, solvent, or vehicle component. When used in hair applications, the inventive composition is not a reshapable composition. An example polymer is 2-ethylhexyl acrylate-isobornyl acrylate-acrylic acid copolymer.

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
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 DICTIONARY FILE UPDATES: 19 FEB 2007 HIGHEST RN 921921-74-6

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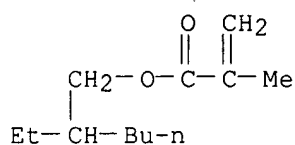
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<http://www.cas.org/ONLINE/UG/regprops.html>

=> s 688-84-6  
 L19 1 688-84-6  
 (688-84-6/RN)

=> d L19 str cn

L19 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

CN 2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-Hexanol, 2-ethyl-, methacrylate (6CI)

CN Methacrylic acid, 2-ethylhexyl ester (6CI, 7CI, 8CI)

OTHER NAMES:

CN 2-Ethylhexyl methacrylate

CN Acryester EH

CN H 22

CN H 22 (methacrylate)

CN NSC 24173

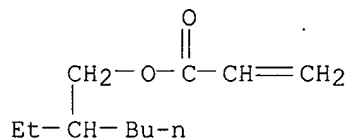
CN NSC 32647

=> s 103-11-7

L20 1 103-11-7  
(103-11-7/RN)

=> d L20 str cn

L20 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

CN 2-Propenoic acid, 2-ethylhexyl ester (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Acrylic acid, 2-ethylhexyl ester (6CI, 8CI)

OTHER NAMES:

CN 2-Ethylhexyl 2-propenoate

CN 2-Ethylhexyl acrylate

CN NSC 4803

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.15

52.93

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

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FILE COVERS 1907 - 20 Feb 2007 VOL 146 ISS 9  
FILE LAST UPDATED: 19 Feb 2007 (20070219/ED)

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<http://www.cas.org/infopolicy.html>

=> s 688-84-6 or 103-11-7

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Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L22            2433 L21

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L24            685 L23

L25            2984 L24 OR L22

=> s L25 and L4

L26            1331 L25 AND L4

=> s L26 and L7

L27            1049 L26 AND L7

=> s L27 and L9

L28            349 L27 AND L9

=> s L28 and L11

L29            15 L28 AND L11

=> dup rem L29  
PROCESSING COMPLETED FOR L29  
L30 15 DUP REM L29 (0 DUPLICATES REMOVED)

=> s L30 and (AY<2002 or PY<2002 or PRY<2002)  
L31 15 S L30  
4164854 AY<2002  
21881762 PY<2002  
3641858 PRY<2002  
L32 8 L31 AND (AY<2002 OR PY<2002 OR PRY<2002)

=> d 1-8 ibib abs L32

L32 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2002:696047 CAPLUS  
DOCUMENT NUMBER: 137:237388  
TITLE: Aqueous polymer emulsions and  
cosmetics with the use of the same  
INVENTOR(S): Kaneda, Isamu; Nakamura, Ayano; Sogabe, Atsushi;  
Yanaki, Toshio  
PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan  
SOURCE: PCT Int. Appl., 54 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002070604	A1	20020912	WO 2002-JP1896	20020301 <--
W: CN, KR, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
JP 2002327019	A	20021115	JP 2001-206607	20010706 <--
JP 2003020314	A	20030124	JP 2001-206606	20010706 <--
EP 1288258	A1	20030305	EP 2002-705062	20020301 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
US 2003198655	A1	20031023	US 2002-275073	20021101 <--
PRIORITY APPLN. INFO.:			JP 2001-58443	A 20010302 <--
			JP 2001-206606	A 20010706 <--
			JP 2001-206607	A 20010706 <--
			WO 2002-JP1896	W 20020301

AB It is intended to provide aqueous polymer emulsions which are excellent in storage stability and waterproofness and adhesiveness of films. It is further intended to provide aqueous polymer emulsions as described above which are excellent as hair cosmetics. To achieve the first object, the aqueous polymer emulsions are characterized by being aqueous polymer emulsions obtained by emulsion-polymerization of a silane coupling agent monomer, a lipophilic radical polymerizable monomer and a hydrophilic radical polymerizable monomer wherein a polymer having reactive groups originating in the above-described silane coupling agent remaining therein is dispersed in an aqueous dispersion medium at such a concentration as causing crosslinking among silyl groups. To achieve the second object, the aqueous polymer emulsions are characterized by being cationic aqueous polymer emulsions obtained by emulsion-polymerization with the use of a cationic emulsifier. An aqueous polymer emulsion was prepared from Bu methacrylate 60, 2-Et hexyl acrylate 30, methacrylic acid 5, silicone monomer (X-24-8201)2.5, heptadecafluoro-n-decyl acrylate 2.5, and  $\gamma$ -methacryloxypropyl triethoxysilane 0.3 parts,

and tested its storage stability and film-forming property. The obtained polymer emulsion was combined at 3 % with other ingredients to make a hair cream.

REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:405777 CAPLUS

DOCUMENT NUMBER: 137:7825

TITLE: Hydrophobic absorbing polymers and process

INVENTOR(S): Keenan, Andrea Claudette; Lau, Willie; Schwartz, Curtis

PATENT ASSIGNEE(S): Rohm and Haas Company, USA

SOURCE: Eur. Pat. Appl., 19 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1209213	A1	20020529	EP 2001-309938	20011127 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
AU 2001091334	A5	20020530	AU 2001-91334	20011114 <--
CN 1356345	A	20020703	CN 2001-142432	20011128 <--
JP 2002249524	A	20020906	JP 2001-362956	20011128 <--
PRIORITY APPLN. INFO.:			US 2000-253370P	P 20001128 <--

AB Hydrophobic, oil-absorbing polymeric compns., prepared from high levels of hydrophobic monomers, are provided for transferring oily substances and hydrophobic materials to and from various surfaces in a heterogeneous medium. A reversible process is described for transferring oily substances and hydrophobic materials to and from various surfaces in a heterogeneous medium using oil-absorbing films, solid particles or dispersions of aqueous emulsion polymers prepared from hydrophobic monomers.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:736439 CAPLUS

DOCUMENT NUMBER: 131:341746

TITLE: Polyurethane-silicone hair fixatives

INVENTOR(S): Nguyen Kim, Son; Sanner, Axel; Schehlmann, Volker

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 58 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9958100	A1	19991118	WO 1999-EP3295	19990512 <--
W: CN, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
DE 19821731	A1	19991118	DE 1998-19821731	19980514 <--
EP 1077669	A1	20010228	EP 1999-923589	19990512 <--
EP 1077669	B1	20040908		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI				
JP 2002514580	T	20020521	JP 2000-547952	19990512 <--

AT 275380	T	20040915	AT 1999-923589	19990512 <--
ES 2228047	T3	20050401	ES 1999-923589	19990512 <--
US 6579517	B1	20030617	US 2000-674534	20001102 <--
PRIORITY APPLN. INFO.:			DE 1998-19821731	A 19980514 <--
			WO 1999-EP3295	W 19990512 <--

AB A film-forming polymer for use in hair fixatives comprises  $\geq 1$  crosslinked, water-soluble, or water-dispersible polyurethane or salt thereof prepared from (A)  $\geq 1$  polyurethane prepolymer with terminal NCO groups and (B)  $\geq 1$  polymer with groups which are reactive with NCO groups and which are selected from OH, primary and secondary amino, and/or CO<sub>2</sub>H groups. At least 1 of components A and B is water soluble or water dispersible, and  $\geq 1$  of them contains  $\geq 1$  siloxane group which confers on the composition a conditioning action. The polymer is easily washed out of the hair. Thus, prepolymer A was prepared by reaction of a polyester diol (prepared from isophthalic acid, adipic acid, and hexanediol; mol. weight 1000) 0.6, neopentyl glycol 1.7, and dimethylolpropionic acid 3 with IPDI 6 mol at 85° in Me Et ketone, followed by cooling to room temperature and addition of 0.2 mol polysiloxanediamine (Tegomer A-Si 2122). Polymer B was prepared by reaction of vinylpyrrolidinone 97 and hydroxyethyl methacrylate 3 weight% in EtOH at 75° in the presence of 2,2'-azobis(2-methylbutyronitrile). A 40% solution of prepolymer A in Me Et ketone was combined 80:20 with a 40% solution of polymer B in the same solvent and heated at 85° for .apprx.2 h, followed by addition of H<sub>2</sub>O, neutralization of the product with 2-amino-2-methylpropanol, and distillation of the Me Et ketone to provide an aqueous dispersion of the title polyurethane. An aerosol hair spray contained this polyurethane 3.00, EtOH 62.00, Me<sub>2</sub>O 34.96, and perfumes and additives to 100 weight%.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1998:721470 CAPLUS  
DOCUMENT NUMBER: 129:347163  
TITLE: Cosmetic compositions comprising a dispersion of film-forming fluorinated polymer  
INVENTOR(S): De La Poterie, Valerie  
PATENT ASSIGNEE(S): L'oreal, Fr.  
SOURCE: Eur. Pat. Appl., 11 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: French  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
EP 875242	A2	19981104	EP 1998-400744	19980330 <--
EP 875242	A3	19990331		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2762510	A1	19981030	FR 1997-5441	19970428 <--
JP 10298033	A	19981110	JP 1998-113526	19980423 <--
JP 2000119137	A	20000425	JP 1999-314430	19980423 <--
CA 2233346	A1	19981028	CA 1998-2233346	19980427 <--
BR 9801962	A	20000111	BR 1998-1962	19980427 <--
PRIORITY APPLN. INFO.:			FR 1997-5441	A 19970428 <--
			JP 1998-113526	A3 19980423 <--

AB The title compns., such as make-ups, lipsticks, and eyeliners, are claimed. The compns. produce a very good film which is not removed in the course of time. A lipstick contained a dispersion of



fluoroacrylic polymer 22, a dispersion of fluorowax 5,  
pigment 2, glycerin 1.25, and water q.s. 100 g.

L32 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1991:435497 CAPLUS  
DOCUMENT NUMBER: 115:35497  
TITLE: Vehicle systems for use in cosmetic  
compositions  
INVENTOR(S): Bolich, Raymond Edward, Jr.; Norton, Michael James;  
Russell, Glen David  
PATENT ASSIGNEE(S): Procter and Gamble Co., USA  
SOURCE: Eur. Pat. Appl., 34 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 412705	A2	19910213	EP 1990-308389	19900731 <--
EP 412705	A3	19921021		
EP 412705	B1	19951213		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 5100658	A	19920331	US 1990-551118	19900716 <--
AT 131381	T	19951215	AT 1990-308389	19900731 <--
ES 2088975	T3	19961001	ES 1990-308389	19900731 <--
CA 2022468	A1	19910208	CA 1990-2022468	19900801 <--
CA 2022468	C	19950207		
AU 9060161	A	19910207	AU 1990-60161	19900806 <--
AU 646398	B2	19940224		
CN 1049785	A	19910313	CN 1990-107597	19900806 <--
CN 1035921	B	19970924		
FI 97684	B	19961031	FI 1990-3882	19900806 <--
FI 97684	C	19970210		
JP 03141210	A	19910617	JP 1990-210121	19900807 <--
BR 9003857	A	19910903	BR 1990-3857	19900807 <--
KR 164212	B1	19990115	KR 1990-12070	19900807 <--
PRIORITY APPLN. INFO.:			US 1989-390328	A 19890807 <--
			US 1990-551118	A 19900716 <--

AB Disclosed is a unique vehicle system which provides a desirable rheol. to products formulated therewith, enhanced dispersion of actives therein, and improved deposition of actives therefrom. This vehicle system comprises a primary thickening agent which is a nonionic long-chain alkylated water-soluble polymer, and a secondary thickening agent which is a water-soluble polymer having a mol. weight greater than about 20,000, preferably a natural polysaccharide, dispersed in a compatible solvent. Optionally, a rheol. aid, which is a chelating agent, may be included in the vehicle system. Also, optionally, a distributing aid, which is a water-soluble polymer of either high mol. weight or strong ionic character may be included in the vehicle system.

L32 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1991:435495 CAPLUS  
DOCUMENT NUMBER: 115:35495  
TITLE: Vehicle systems for use in cosmetic  
compositions  
INVENTOR(S): Bolich, Raymond Edward, Jr.; Norton, Michael James;  
Russell, Glen David  
PATENT ASSIGNEE(S): Procter and Gamble Co., USA  
SOURCE: Eur. Pat. Appl., 42 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 412710	A2	19910213	EP 1990-308435	19900731 <--
EP 412710	A3	19921014		
EP 412710	B1	19950719		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 5106609	A	19920421	US 1990-551120	19900716 <--
ES 2074539	T3	19950916	ES 1990-308435	19900731 <--
CA 2022463	A1	19910208	CA 1990-2022463	19900801 <--
CA 2022463	C	19950131		
AU 9060159	A	19910207	AU 1990-60159	19900806 <--
AU 646637	B2	19940303		
CN 1056051	A	19911113	CN 1990-107368	19900806 <--
CN 1035920	B	19970924		
BR 9003858	A	19910903	BR 1990-3858	19900807 <--
JP 03218306	A	19910925	JP 1990-210123	19900807 <--

PRIORITY APPLN. INFO.:

US 1989-390330	A	19890807 <--
US 1990-517289	A	19900501 <--
US 1990-551120	A	19900716 <--

AB Disclosed is a unique vehicle system which provides a desirable rheol. to products formulated therewith enhanced dispersion of actives therein, and improved deposition of actives therefrom. This vehicle system comprises a primary thickening agent which is a nonionic long-chain alkylated water-soluble polymer, and a secondary thickening agent which is a water-insol. surfactant dispersed in a compatible solvent. A rheol. aid, which is a chelating agent may be included in the vehicle system. Also, optionally, a distributing aid, which is a water-soluble polymer of either high mol. weight or strong ionic character may be included in the vehicle system.

L32 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1991:149928 CAPLUS

DOCUMENT NUMBER: 114:149928

TITLE: Cosmetic composition comprising acryl-silicone graft copolymers

INVENTOR(S): Suzuki, Kazuhiro; Shimizu, Toru; Yamazoe, Miki; Sugisaki, Tosiaki

PATENT ASSIGNEE(S): Kobayashi Kose Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 40 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 388582	A2	19900926	EP 1990-100631	19900112 <--
EP 388582	A3	19910410		
EP 388582	B1	19941130		
EP 388582	B2	19980408		
R: DE, FR, GB				
JP 02247110	A	19901002	JP 1989-68695	19890320 <--
JP 02250812	A	19901008	JP 1989-72095	19890324 <--
JP 2844076	B2	19990106		
JP 02132141	A	19900521	JP 1989-76036	19890328 <--
JP 2700816	B2	19980121		
JP 02258709	A	19901019	JP 1989-79525	19890330 <--
JP 2844077	B2	19990106		
JP 02279617	A	19901115	JP 1989-99761	19890419 <--
JP 2835617	B2	19981214		

JP 03008432	A	19910116	JP 1990-78350	19900327 <--
JP 2934774	B2	19990816		
PRIORITY APPLN. INFO.:			JP 1989-68695	A 19890320 <--
			JP 1989-72095	A 19890324 <--
			JP 1989-76036	A 19890328 <--
			JP 1989-79524	A 19890330 <--
			JP 1989-79525	A 19890330 <--
			JP 1989-99761	A 19890419 <--
			JP 1988-172968	A1 19880712 <--

AB Cosmetics comprise an acryl-silicone graft copolymer, having an organosiloxane side chain. The copolymer is prepared by radical polymerization of a dimethylpolysiloxane compound, having a polymerizable radical group on one of the chain terminals, and a radically-polymerizable monomer comprising as major components an acrylate and/or methacrylate. Cosmetics, including makeup cosmetics, and emulsions, are prepared by using the copolymer in combination with a low-viscosity silicone oil, a partially cross-linked organopolysiloxane polymer, a low-boiling oil, a volatile solvent, a cosmetic powder, poly(acrylic acid), a volatile hydrocarbon, a surface-active agent, or water. The cosmetics give a good sensation upon use, and exhibit superior water-repellency, water-resistance, oil-resistance, and good retentiveness of the makeup. A mixture of H<sub>2</sub>C:CM<sub>2</sub>CO<sub>2</sub>(CH<sub>2</sub>)<sub>3</sub>SiMe<sub>2</sub>O(SiMe<sub>2</sub>O)<sub>30</sub>SiMe<sub>3</sub> 35, Me methacrylate 45, 2-ethylhexylmethacrylate 20, azobisbutyronitrile 1.5, and toluene 100 g was heated at 80-90°, for 5 h, to give and acrylsilicone graft copolymer. This (40 g) was blended with 60 g decamethylcyclopentasiloxane (I), to give a gel. A stick eye-shadow comprised the above gel 75.0, I 10.0, pigment 4.5, titanated mica 8.5 and mice 2.0 parts by weight

L32 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1980:610098 CAPLUS  
 DOCUMENT NUMBER: 93:210098  
 TITLE: Nail lacquer compositions  
 PATENT ASSIGNEE(S): Daicel Chemical Industries, Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 2 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 55078047	A	19800612	JP 1978-151352	19781206 <--
PRIORITY APPLN. INFO.:			JP 1978-151352	A 19781206 <--

AB Nail lacquer comps. which consist of an aqueous emulsion of a C1-10 alkyl acrylate homopolymer or copolymer with methacrylic acid (I) 1-10% mixed with nitrocellulose 1-55% were prepared Thus, an emulsion prepared from nitrocellulose 13.5, 2-ethylhexyl methacrylate [688-84-6] 31.5, I 0.7, emulsifier 2.4, and water 51.9 parts were heated at 80-90° in the presence of K persulfate 0.06 parts, to give an emulsion to which (80 parts) was added butylcellosolve acetate 1.5, di-Bu phthalate 1.5, antifoaming agent 0.05, and water 16.95 parts to give nail lacquer composition with superior brightness and stability.